

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known

Application Number	10/811,408
Filing Date	March 26, 2004
First Named Inventor	STARK, David H.
Art Unit	3637
Examiner Name	To be assigned.
Attorney Docket Number	STRK-26,696

Sheet	1	of	4
-------	---	----	---

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)				
JL	01	US-	3,698,878	10/17/72	Hale et al.	
	02	US-	5,118,924	06/02/92	Mehra et al.	
	03	US-	5,302,414	04/12/94	Alkhimov et al.	
	04	US-	5,423,119	06/13/95	Yang	
	05	US-	6,139,913	10/31/00	Van Steenkiste et al	
	06	US-	6,191,359	02/20/01	Sengupta et al.	
	07	US-	6,627,814	09/30/03	Stark	
	08	US-	6,537,121	03/25/03	Baret	
	09	US-	6,548,895	04/15/03	Benavides et al.	
	10	US-	4,355,323	10/19/82	Hendrikus Kock	
	11	US-	5,945,721	08/31/99	Nobuyoshi Tatch	
	12	US-	5,949,655	09/07/99	Thomas Glenn	
	13	US-	6,020,628	02/01/00	Brian Mravic et al.	
	14	US-	5,625,222	04/1997	Yoneda et al.	
	15	US-	5,856,914 A	01/05/1999	O'Boyle, John	
	16	US-	6,696,849 B2	02/24/2004	Ban et al.	
	17	US-	6,521,988	02/18/2003	Hauser et al.	
	18	US-	6,656,768	12/02/2003	Thomas, Sunil	
	19	US-	6,653,724	11/25/2003	Kim et al.	

FOREIGN PATENT DOCUMENTS

[illegible]

Examiner Signature	/Jason Lazorcik/	Date Considered	10/11/2006
-----------------------	------------------	--------------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.¹ Applicant's unique citation designation number (optional).² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known

Application Number	10/811,408
Filing Date	March 26, 2004
First Named Inventor	STARK, David H.
Art Unit	3637
Examiner Name	To be assigned.
Attorney Docket Number	STRK-26,696

Sheet	2	of	4
-------	---	----	---

U. S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

[illegible]

Examiner Signature	/Jason Lazorcik/	Date Considered	10/11/2006
-----------------------	------------------	--------------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.¹ Applicant's unique citation designation number (optional).² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 801.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Complete if Known	
		Application Number	10/811,408
		Filing Date	March 26, 2004
		First Named Inventor	STARK, David H.
		Art Unit	3637
		Examiner Name	To be assigned.
Sheet 3 of 4	Attorney Docket Number	STRK-26,696	

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
JL	200	DORON TEOMIM, AVNER BADIHI, GIL ZILBER; "An innovative approach to wafer-level MEMS packaging"; Solid State Technology (Magazine); January 2002; Penwell (Publ.); Nashua, NH USA.	
	201	Carpenter Specialty Alloys: Controlled-Expansion Alloys (Catalog/Brochure); December 1999; Pages 1-24 (esp. 5-8); Carpenter Technology Corporation (Publ.); Wyomissing, PA USA.	
	202	JPL Technology Reporting Office; "Hermetic Wafer Bonding By Use of Microwave Heating"; NASA Tech Brief, Vol. 25, No. 5, from JPL New Technology Report NPO-20608 (NASA Contract No. NAS-7-918); May 1, 2001; Jet Propulsion Laboratory, California Institute of Technology (Publ.); Pasadena, CA, USA; including therein:	
		NTR Inventors Report by HENRY W JACKSON, JOHN D MAI, MARTIN B BARMATZ, NASSER K BUDRAA, WILLIAM T PIKE; NASA Case No. 0205 20608; March 1997(?) (Best Available Copy); including therein: (same authors) "Low Pressure and Low Temperature Hermetic Wafer Bonding Using Microwave Heating"; Jet Propulsion Laboratory, California Institute of Technology, Pasadena, CA, USA (Best Available Copy).	
	203	GEORGE S. BRADEY, ET AL., Materials Handbook, 12th Edition; 1986; pp 28-29; McGraw-Hill Book Company; New York.	
	204	R.C. DYKHUIZEN ET AL.; Gas Dynamic Principles of Cold Spray; Journal of Thermal Spray Technology; Vol. 7(2); pp 205-212; June, 1998.	
	205	KAZAKOV, N.F. (ed.); Diffusion Bonding of Materials; 1981; pp 4-9, 248-257; Pergamon Press; U. S. A.	
	206	NICHOLAS, M.G. & LEE, R. J.; Joining Dissimilar Materials, Metals and Materials, The Journal of the Institute of Metals, Vol. 5, No. 6, June 1989; UK.	
	207	CERJAK, H. (ed.); Mathematical Modelling of Weld Phenomena 5; Diffusion Bonding of Glass to Metal in an Electrostatic Field; M. Morsy et al.; pp 945-959; London IOM Communications, 2001.	
↓	208	OSTYN, K. & VINCKIER, A.; Joining of Different Materials Through Interfaces; Interfaces in Materials, Proceedings of the Colloquium; pp. 153-173; Brussels, 12/1988.	

Examiner Signature	/Jason Lazorcik/	Date Considered	10/11/2006
--------------------	------------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Complete if Known			
		Application Number	10/811,408		
		Filing Date	March 26, 2004		
		First Named Inventor	STARK, David H.		
		Art Unit	3637		
		Examiner Name	To be assigned.		
Sheet	4	of	4	Attorney Docket Number	STRK-26,696

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
JL	209	ARATA ET AL. Pressure and Field Assisted Bonding of Glass to Aluminum; Transactions of JWRI is published by Welding Research Institute of Osaka University; Vol. 13; No. 1; 1984; pp 35-40.	
	210	SADPYSKY ET AL.; Precision Welding of Glass to Kovar Without Melting; Svarochnoe Proizvodstvo; February 1973; pp 22; (In Russian, English translation provided).	✓
	211	KAZAKOV ET AL.; Equipment for Diffusion Welding of Rectangular Glass Plates to Kovar; Svarochnoe Proizvodstvo; June 1977; p 50; (In Russian, English translation provided).	✓
↓	212	PCT; International Search Report of PCT/US03/07553 (related application); International Publication No. WO 03/083938 A1; 16 June 2003; 2 pg.	

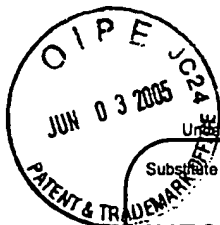
Examiner Signature	/Jason Lazorcik/	Date Considered	10/11/2006
--------------------	------------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



PTO/SB/085 (08-03)

Approved for use through 07/31/2008. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number 10/811,408

Filing Date March 26, 2004

First Named Inventor STARK, David H.

Art Unit 3637

Examiner Name To be assigned.

Attorney Docket Number STRK-26,696

Sheet

2

of

2

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
JL	213	DUNKERTON; TWI Knowledge Summary Diffusion Bonding; Copyright 2001; TWI World Centre for Materials Joining Technology Website; www.twi.co.uk; United Kingdom; 4 pages.	
JL	214	PCT; International Search Report of PCT/US04/02272 (related application); International Publication No. WO 2004/068189; 21 December 2004; 3 pages.	
JL	215	KAZAKOV, N.F. (ed.); Diffusion Bonding of Materials; 1981; pp 4-304; Pergamon Press; U.S.A.	

Examiner Signature	/Jason Lazorcik/	Date Considered	10/11/2006
--------------------	------------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.